

Vital Connections

Commercial and Industrial Three Phase
Electricity Meter Range

A1100

Three phase dual rate kWh Meter switched to neutral, Class 1, 20-100A, 230V. Liquid Crystal Display, 10kV impulse withstand, Serial Data Stream output. For SCADA or AMR applications using optional communications device.

Options:

- 1 - 100A Dual Rate KWH direct connect class 1.0
- 2 - 5A CT Operated Single Rate

A1140

Mid Range Multi-Function Programmable
Three Phase meter for 230/400V kWh, kvarh & KVA measurement
Features include 8 time of use rate & 4 maximum demand registers, load profiling, Instrumentation Displays, optical communication port and pulse output.

Options:

- 1 - 100A Direct Connect Class 1.0
- 2 - 5A CT Operated Class 0.5

A1160

The A1160 is a 160 Amp whole current meter that has extensive measurement and tariff capabilities for use in Commercial direct connected metering applications. The A1160 can operate as a stand alone or as part of a comprehensive AMR/AMI metering system via a variety of communication modules. Batteries for Clock & Calendar back up never need to be changed as they will provide support on the shelf for the meters design life.

A1700

Multi-Function complex electricity meter for Time of Use and Maximum Demand applications with Load/Instrumentation Profiling, Serial Communication Port, Pulse Outputs, Instrumentation, suitable for CT/VT metering applications that require higher accuracy (Class 0.2 or 0.5) supported by a variety of communication accessories.

AS3000/ AS3500

Available in C&I or G3 IDIS PLC variants, the AS3000 is a 100A direct connect Smart meter that measures kWh, TOU kWh and KVA registers. Load Profiling data is stored in a non-volatile memory. The AS3000 comes complete with inbuilt RS485 for multi drop applications and a 100A contactor for remote connect/disconnect as part of load limiting or smart prepaid applications when used with an AMR/AMI software package.

A 230V input is available for measuring auxiliary supplies in a separate rate register.

For applications above 100A the AS3500 CT operated variant is available that measures kWh, TOU kWh and KVA registers. Load Profiling data is stored in a non-volatile memory. The AS3500 comes complete with inbuilt RS485 for multi drop applications.

A 230V input is available for measuring auxiliary supplies in a separate rate register.



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Residential Electricity Meter Range

As part of the Elster Group, the world's largest utility metering company, Elster Solutions provides a range of Electricity Metering Products that are renowned for their Quality, Reliability and Robustness with local South African Technology Support and Training.

Our Electricity Meter range is suitable for residential, commercial, industrial and mining applications. We also provide automatic meter reading (AMR) and Smart Metering Solutions supported by a range of communication devices. Applications include metering, AMR, Time of Use (TOU), Load Profiles and Smart Billing and Smart TOU Pre-payment. All products are approved to International Standards.

A100C

Single Phase dual rate kWh Meter switched to neutral, Class 1, 20-100A, 230V Large LCD Display, 10kV impulse withstand, Serial Data Stream output for SCADA or AMR applications using optional communications device.



AS230

Smart Electronic Single Phase meter for residential and light commercial applications. 230V, Class 1, direct connect 5 (100) Amp, 4 quadrant meter for kWh, kvarh & KVA measurement. Optical port and 100A internal contactor for remote isolation and load limiting applications.

Smart TOU pre-payment ready when used with Smart Pre-payment AMI software packages. Optional modular communications include GSM/GPRS modem, RS232, RS485, Ether or Modbus.



AS220

Smart Electronic Single Phase meter for residential and light commercial applications. 230V, Class 1, direct connect 5 (100) Amp, 4 quadrant meter for kWh, kvarh & KVA measurement. Optical port and 100A internal contactor for remote isolation and load limiting applications.

Smart TOU pre-payment ready when used with Smart Pre-payment AMI software packages. Optional modular communications include GSM/GPRS modem, RS232, RS485, Ether or Modbus.

The AS220 is available with the AM540 communications module for use with the G3 IDIS PLC Data Concentrator.

